S
553.28
O1S
MAR 1970

SHELVED WITH PERIODICALS

Montana State Library
3 0864 1006 0036 3

STATE DOCUMENTS MAY 20 1970

MONTANA OIL AND GAS STATISTICAL BULLETIN

ADMINISTRATORS

NORMAN J. BEAUDRY, Exec. Secy.
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, Attorney
422 NORTH PARK AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, Petroleum Engineer
15 POLY DRIVE
BILLINGS, MONTANA 59101

HERBERT D. HADLEY, Geologist
15 POLY DRIVE
BILLINGS, MONTANA 59101

COMMISSIONERS

WINSTON L. COX, Chairman
525 SECURITIES BLDG.
BILLINGS, MONTANA 59101

ALLEN ZIMMERMAN, Vice Chairman
P. O. BOX 277
POPLAR, MONTANA

E. G. BALSAM,
2300 PEARL
MILES CITY, MONTANA 59301

L. V. HARRIS,
HORSKY BLOCK BLDG.
HELENA, MONTANA 59601

C. J. IVERSON,
WHITLASH, MONTANA 59545

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVIII, No. 3 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — March, 1970

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1970, averaged 107,525 barrels daily, a decrease of 1,668 barrels from the average February, 1970 production of 109,193.

The nine refineries in the state processed 105,318 barrels of crude oil daily for the month of March, 1970, a decrease of 11,116 barrels from the 116,434 barrels processed daily during the month of February, 1970.

During March 77 wells were completed, 9 oil, 14 gas and 54 dry holes.

During March the commission issued 27 permits to drill new wells, a decrease of 1 from the 28 permits issued during February.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF MARCH, 1970

IN STORAGE MARCH 1st	
By Producers	378,269
By Transporters	1,285,272
By Refiners	940,303
TOTAL STORAGE	2,604,303
Produced in Montana During Month	3,333,277
Imported During Month	2,547,469
TOTALS	8,485,049
DISPOSITION:	
Refined in Montana	3,264,872
Exported	3,070,433
Used for Fuel or Lost	17,551
TOTAL	6,352,856
IN STORAGE MARCH 31st	
By Producers	362,487
By Transporters	1,382,147
By Refiners	387,559
TOTAL STORAGE	2,132,193

NATURAL GAS WITHDRAWALS IN MONTANA

Month of March, 1970

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	902,412
Big Coulee	116,325
Blackjack	77,620
Bowdoin	431,445
Bowes	27,518
Box Elder	0
Cabin Creek	102,309
Cedar Creek	225,934
Clarks Fork South	0
Cut Bank (Including Reagan)	591,003
Devon	0
Dry Creek	20,636
Elk Basin	193,090
Flat Coulee	18,299
Gold Butte	0
Golden Dome	0
Grandview	73,676
Hardin	1,988
Keith Block	202,222
Kevin Sunburst	71,634
Lake Basin	103,312
Middle Butte	383
Mt. Lilly	48,338
Pine	56,449
Plevna	5,518
Squaw Coulee	83,843
Tiger Ridge	40,848
Utopia	82,717
Whitlash	105,959
Miscellaneous	89,223
TOTAL	3,672,701

Total withdrawals for March, 1969 were 3,805,147.

MONTANA STATE LIBRARY
1515 E. 6th AVE.
HELENA, MONTANA 59620

PRODUCERS REPORT—MONTH OF MARCH, 1970

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	467	2,486	----	2,468	----	485
2	Bainville	2	842	5,146	----	4,447	----	1,541
	Bannatyne		944	----	371	----	----	573
	Bascom		246	----	185	----	----	61
4	Bear's Den	5	1,570	993	----	626	----	1,937
81	Bell Creek	383	76,940	780,329	791,988	----	1,236	64,045
1	Benrud	1	579	544	879	----	----	244
2	Benrud East	2	1,550	15,311	15,744	----	----	1,117
1	Benrud Northeast	1	431	3,670	3,080	----	----	1,021
	Berthelote		506	----	----	----	----	506
5	Big Wall	15	1,503	11,873	12,404	----	----	972
4	Blackfoot	6	1,558	2,203	2,376	----	----	1,385
6	Border	6	490	1,555	----	1,625	----	420
1	Bowes	54	6,346	14,096	17,312	----	----	3,130
1	Bradley	1	605	634	393	----	----	846
	Brady		296	----	----	----	----	296
4	Brorson-Madison	4	773	6,551	6,496	----	----	828
6	Brorson-Red River	6	6,023	28,634	----	29,231	----	5,426
2	Brorson-Red River South	3	2,076	14,839	----	14,903	----	2,012
2	Brush Lake	2	2,111	23,659	24,758	----	----	1,012
2	Cabin Creek	98	----	307,901	307,901	----	----	----
11	Cat Creek	57	2,349	16,273	14,864	1,621	----	2,137
	Clark's Fork		13	----	----	----	----	13
	Clark's Fork South		893	----	----	788	105	----
3	Conrad South	3	662	1,129	1,129	----	----	662
1	Cow Creek	1	148	517	611	----	----	54
2	Culbertson	2	1,355	5,497	----	5,902	----	950
2	Cupton	2	2,179	1,553	----	1,257	----	2,475
139	Cut Bank	890	62,418	428,450	427,687	----	----	63,181
	Dean Dome		65	----	----	----	----	65
2	Deer Creek	2	866	2,014	2,551	----	----	329
	Delphia		432	----	----	----	----	432
	Devil's Basin		688	----	----	----	17	671
2	Dwyer	13	4,634	30,332	30,833	----	----	4,133
4	Elk Basin	53	1,694	178,703	178,772	----	----	1,625
5	Elk Basin Northwest	12	7,809	12,905	12,668	----	----	8,046
9	Fairview	10	7,713	53,618	53,567	----	----	7,764
2	Fertile Prairie	2	511	1,491	----	1,173	----	829
9	Flat Coulee	27	4,466	10,835	10,318	----	----	4,983
39	Flat Lake	60	7,609	66,401	66,629	----	275	7,106
4	Flat Lake South	4	886	7,044	6,675	----	----	1,255
1	Frannie	1	----	496	496	----	----	----
16	Fred & George Creek	33	2,998	37,793	37,065	----	----	3,726
1	Gage	1	524	94	----	521	----	97
	Gage Southwest		30	----	----	----	----	30
3	Gas City	17	6,110	24,046	17,455	5,819	----	6,882
2	Girard	2	1,391	5,703	----	6,278	----	816
11	Glendive	15	1,936	33,539	28,840	3,930	----	2,705
27	Goose Lake	34	5,480	44,177	43,465	----	----	6,192
9	Graben Coulee	21	4,230	5,308	632	3,777	----	5,129
1	Gypsy Basin	1	749	204	----	204	----	749
1	Hardscrabble Creek	1	294	264	----	196	----	362
2	Hay Creek	2	426	14,558	14,554	----	----	430
6	Hiawatha	6	4,924	6,211	7,631	----	----	3,504
1	Hibbard	1	398	413	----	421	----	390
1	Injun Creek	1	1,508	458	----	----	----	1,966
6	Ivanhoe	11	1,902	7,987	7,429	----	----	2,460
1	Katy Lake	1	1,111	278	----	----	----	1,389
7	Keg Coulee	20	4,805	13,165	11,358	3,365	----	3,247
2	Keg Coulee North	2	847	912	912	----	----	847
1	Kelley	5	689	4,373	4,563	----	----	499
74	Kevin Sunburst	449	12,608	27,064	23,454	2,209	2,968	11,041
8	Laird Creek	10	855	4,750	----	4,812	----	793
2	Leary	2	1,414	1,826	----	2,162	----	1,078
1	Little Beaver	24	----	29,697	29,697	----	----	----
2	Little Beaver East*	13	2,225	16,442	17,627	----	----	1,040
1	Lodge Grass	1	789	1,397	----	1,166	----	1,020
3	Lookout Butte (Coral Creek)	33	521	81,783	81,865	----	----	439
	Mackay Dome		1,134	----	----	----	----	1,134
2	Mason Lake	2	533	986	676	----	----	843
3	Melstone	5	1,241	1,826	1,355	635	----	1,077
1	Mineral Bench	1	489	500	500	----	----	489
1	Miner's Coulee	1	107	252	----	252	----	107
10	Monarch	16	4,936	20,196	20,514	----	----	4,618
3	Mosser	3	----	713	----	713	----	----
6	Outlook	10	4,897	15,888	16,185	----	----	4,600
1	Outlook South	1	663	1,593	1,709	----	----	547
2	Outlook West	2	997	3,456	3,136	----	----	1,317
1	Pennel-Lookout Butte	116	----	132,509	132,509	----	----	----
4	Pine	118	17,090	290,399	290,422	----	----	17,067
	Pole Creek		777	----	----	----	----	777
64	Pondera	277	5,418	28,824	27,710	----	----	6,532
7	Poplar	68	7,585	61,881	59,387	----	41	10,038
3	Poplar Northwest	3	1,779	1,027	1,333	----	----	1,473
	Prairie Elk		871	----	----	----	----	871
3	Pritchard Creek	3	167	3,472	3,472	----	----	167
3	Ragged Point	11	3,133	6,523	6,912	----	----	2,744
1	Rattlesnake Coulee	1	626	952	987	----	----	591
2	Reagan	45	442	22,543	22,435	----	----	550
1	Red Creek	21	----	18,233	18,025	208	----	----
1	Red Fox	1	208	3,945	3,717	----	----	436
1	Redstone	1	527	4,198	3,919	----	----	806
1	Repeat	1	83	1,973	----	1,961	----	95
5	Reserve	5	----	15,996	15,996	----	----	----
	Richey		778	----	----	----	----	778
1	Richey Southwest	6	1,550	3,347	----	3,344	----	1,553
	Rough Creek		198	68	----	----	----	266
1	Rush Mountain	1	328	3,583	3,309	----	----	602
5	Sand Creek	7	2,134	8,133	8,260	----	----	2,007
1	Shotgun Creek	1	158	604	----	670	----	92
	Sidney		880	----	----	----	----	880
1	Snyder	4	946	895	----	1,260	----	581
6	Soap Creek	17	2,987	5,227	----	4,463	----	3,751
1	Spring Lake	2	1,400	3,116	----	2,480	----	2,036
1	Stensvad	11	2,753	17,321	18,255	----	----	1,819
9	Sumatra	68	9,479	51,714	27,185	23,857	----	10,151
5	Tule Creek	6	3,533	33,333	----	33,254	----	3,612
2	Tule Creek East	2	620	11,660	----	11,454	----	826
2	Tule Creek South	3	856	5,330	5,310	----	----	876
2	Vida	2	856	1,122	----	1,566	----	412
3	Volt	4	2,692	13,629	13,976	----	----	2,345
2	Weed Creek	3	629	5,285	5,028	----	6	880
4	Weldon	9	943	31,281	30,838	----	----	1,386
1	West Butte	1	----	3,367	----	3,367	----	----
14	Whitlash	42	7,471	12,630	12,065	----	----	8,036
1	Whitlash West	1	594	269	415	----	----	448
1	Wibaux	1	545	345	----	758	----	132
2	Wills Creek South	2	----	3,579	3,579	----	----	----
5	Wolf Springs	7	3,054	3,805	4,434	----	----	2,425
2	Woodrow	2	314	2,806	3,001	----	----	119
3	Wright Creek	5	2,111	6,604	6,573	----	----	2,142
	Wildcat, Blaine Cty.		589	----	----	----	----	589
1	Wildcat, Carbon Cty.	1	723	----	413	----	----	310
1	Wildcat, Fallon Cty.	3	1,050	5,166	3,955	----	----	2,261
2	Wildcat, Glacier Cty.	5	1,916	1,093	1,576	----	238	1,195
	Wildcat, Liberty Cty.		307	----	----	----	----	307
3	Wildcat, Richland Cty.	3	162	59,544	----	58,313	----	1,393
1	Wildcat, Toole Cty.	1	----	412	412	----	----	----
760	Total	3,369	378,269	3,333,277	3,096,717	247,456	4,886	362,487

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1969	43,954,112	120,422	44,000,342	120,549
January, 1970	3,354,243	108,201	3,347,077	107,970
February, 1970	3,057,400	109,193	3,033,529	108,340
March, 1970	3,333,277	107,525	3,344,173	107,877

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1969	351,210	1,237,355	731,177	2,319,742
January, 1970	357,062	1,278,055	737,802	2,372,919
February, 1970	378,269	1,285,272	940,762	2,604,303
March, 1970	362,487	1,382,147	387,559	2,132,193

*Montana Oil Only. ‡Includes Wyoming Oil.

TRANSPORTERS REPORT—MONTH OF MARCH, 1970

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,468				2,468		
BAINVILLE—									
Rock Island Oil & Ref. Co.			4,447				4,447		
BEAR'S DEN—Truck			626				626		
BELL CREEK—Pipelines		791,988					352,921	439,067	
BIG WALL—									
Continental Pipeline Co.		12,404				12,404			
BLACKFOOT—									
Camerland Cardinal Corp.		2,376						2,376	
BORDER—Permian Corp.			1,625					1,625	
BOWES—Texaco Inc.		17,312				17,312			
BRORSON-MADISON—Pipelines		6,496						6,496	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			44,134				44,134		
BRUSH LAKE—Portal Pipeline Co.		24,758					24,758		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	382,467	811,688	21,181	994,001	3,000		1,857,091		349,246
Shell Pipeline Co.	3,622	279,965			336			277,262	5,989
	386,089	1,091,653	21,181	994,001	3,336		1,857,091	277,262	355,235
CAT CREEK—									
Continental Pipeline Co.		14,466				14,466			
Truck			1,621			1,621			
		14,466	1,621			16,087			
CLARK'S FORK SOUTH—Truck			788				788		
COW CREEK—									
Western Crude Oil, Inc.		611					611		
CULBERTSON—Tesoro Petr. Corp.			5,902					5,902	
CUT BANK—									
Continental Pipeline Co.			12,698	273,451				286,149	
Phillips Petroleum Co.	80,352	92,741			5,155	87,265			80,673
Texas Pipeline Co.	17,341	82,018		37,201	116			108,205	28,239
Union Oil Co.	74,482	82,780		47,437	369	124,911			79,419
Western Oil Trans. Co.		34,363						34,363	
Western Oil Trans. (Moulton)		79,896						79,896	
	172,175	371,798	12,698	358,089	5,640	212,176		508,613	188,331
DWYER—Portal Pipeline Co.		20,470					20,470		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		190,942				190,942			
FAIRVIEW—Fairview Pipeline Co.		53,567					53,567		
FLAT COULEE—									
Camerland Cardinal Corp.		9,377				1,384		7,993	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		69,375					69,375		
FRANNIE—Interstate Pipeline Co.		496					496		
FRED & GEORGE CREEK AND PRITCHARD CREEK—									
Camerland Cardinal Corp.	11,480	42,434				21,638			32,276
GAGE & GAGE SOUTHWEST—									
Truck			521			521			
GIRARD—									
Rock Island Oil & Ref. Co.			6,278				6,278		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,907	37,365			716			34,605	9,951
GOOSE LAKE—									
Portal Pipeline Co.		43,083					43,083		
HARDSCRABBLE CREEK—Truck			196					196	
HAY CREEK—									
Fairview Pipeline Co.		14,554					14,554		
HIAWATHA—									
Continental Pipeline Co.		7,632					7,632		
HIBBARD—Truck			421			421			
IVANHOE—									
Continental Pipeline Co.		7,429				7,429			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		12,992	3,365			15,669	688		
KELLEY—									
Continental Pipeline Co.		4,563				4,563			
KEVIN SUNBURST—									
Big West Oil Co.	3,531	14,082				12,849			4,764
Homestake Oil & Gas Co.	2,542	1,735				1,758			2,519
Texas Pipeline Co.	10,262	9,019		4,385	249	854		15,098	7,465
	16,335	24,836		4,385	249	15,461		15,098	14,748
LEARY—Permian Corp.			2,162				2,162		
LODGE GRASS—Permian Corp.			1,166			1,166			
MASON LAKE—									
Continental Pipeline Co.		676				676			
MELSTONE—									
Continental Pipeline Co.		1,355	635			1,355	635		
MOSSER—Permian Corp.			713				713		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		21,276					21,276		
PONDERA—Phillips Petr. Co.	52,314	25,618			991	38,010			38,931
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	22,540	111,390			541			114,713‡	18,676
RAGGED POINT—									
Continental Pipeline Co.		6,659				6,659			
RED CREEK—									
Western Oil Transportation Co.		20,232						20,232	
RESERVE—Portal Pipeline Co.		15,344					15,344		
RUSH MOUNTAIN—									
Sinclair Refining Co.		3,309					3,309		
SHOTGUN CREEK—Truck			670				670		
SNYDER—Permian Corp.			1,260			1,260			
SOAP CREEK—Permian Corp.			4,463				4,463		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,480				2,480		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	612,436	69,667		1,496,459	86	54,042		1,404,963	719,471
TULE CREEK—									
Tesero Petr. Corp.	3,996		68,565			68,033			4,528
WEED CREEK—									
Continental Pipeline Co.		5,028				5,028			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		13,626				13,626			
WIBAUX—									
Rock Island Oil & Ref. Co.			758					758	
WOLF SPRINGS—									
Continental Pipeline Co.		4,424				4,424			
WILDCAT WELLS—Truck			58,313				58,313		
TOTALS	1,285,272	3,171,581	247,456	2,852,934	11,559	710,286	2,613,352	2,839,899	1,382,147

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MARCH, 1970

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		12,404								12,404
Bowes			17,312							17,312
Cat Creek		365		17,251		19				17,635
Cut Bank	18,607						67,803		126,501	212,911
Delphia						4				4
Elk Basin		73,330		50,202	67,409					190,941
Flat Coulee									1,384	1,384
Fred & George Creek	21,638									21,638
Gagé & Gage Southwest						3				3
Hibbard						4				4
Ivanhoe		7,429								7,429
Keg Coulee		6,905		8,764						15,669
Kelley					4,563					4,563
Kevin Sunburst	15,461									15,461
Lodge Grass		1,166								1,166
Mason Lake		676								676
Melstone				1,355						1,355
Pondera							43,476			43,476
Ragged Point				6,659						6,659
Snyder		1,260								1,260
Sumatra & Stensvad		15,155		21,246	17,641					54,042
Tule Creek								68,333		68,333
Weed Creek					5,028					5,028
Whitlash							13,626			13,626
Wolf Springs					4,424					4,424
Total Montana Oil	55,706	118,690	17,312	105,477	99,065	30	124,905	68,333	127,885	717,403
Canadian Oil Imported		224,592		80,940	148,350					453,882
Wyoming Oil Imported		728,936		460,918	903,733					2,093,587
Total Montana, Canadian, and Wyoming Oil	55,706	1,072,218	17,312	647,335	1,151,148	30	124,905	68,333	127,885	3,264,872

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1969	25,966	13,237	71,981	111,184
March, 1969	25,518	11,745	73,045	110,308
March, 1970	23,142	14,641	67,535	105,318

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
23.35%	11.91%	64.74%
23.13%	10.65%	66.22%
21.97%	13.90%	64.13%